

Application Ser. No.: 10/018,219
Attorney Docket No.: CNF-002

Amendments to the Specification

1. On page 1, please substitute the title of the application "IMPROVED PUMP" with the following new title:

"IMPROVED DOWNHOLE PUMP"

2. For the paragraph starting at page 12, line 2, please substitute with the following replacement paragraph:

"Embodiments of the present invention will now be described by way of example only, with reference to the accompanying drawings, which are:

Fig 1 a detailed sectional side view of a pump according to a first embodiment of the present invention;
Fig 2 a detailed sectional view along line A-A of Fig 1;
Fig 3 a detailed sectional view along line A-A of Fig 1 in a second position;
Fig 4 a schematic sectional side view of a well completion including a pump according to Fig 1; [[and]]
Fig 5 a detailed cross-sectional view from the top of a second embodiment of the present invention"; and
Fig 6 an enlarged view of the filter means associated with the inlet of the pump of Fig 1.

3. For the paragraph starting at page 12, line 25, please substitute with the following replacement paragraph:

"Referring to Fig 6, [[The]] the pump 5 includes filter means 25 associated with the inlet 15 and means for cleaning the filter means 25, which will also be described in greater detail hereinafter. The filter means 25 are rigidly attached to the rotor 35."

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4. For the paragraph starting at page 15, line 15, please substitute with the following replacement paragraph:

"In this embodiment the pump [[10]] 5 may comprise/include 24 pistons 40 and 12 coiled springs 45. This feature is particularly beneficial in seeking to allow continuous flow of drive fluid through the pump 5, thereby, for example, obviating or mitigating hydraulic hose vibration."

5. For the paragraph starting at page 15, line 26, please substitute with the following replacement paragraph:

"In a modified embodiment more than one one way valve may be provided at the inlet 15 of the pump [[10]] 5, and more than one one way valve may be provided at the outlet 20 of the pump [[10]] 5 allowing fluid flow to travel through the chamber 10."

6. For the paragraph starting at page 16, line 13, please substitute with the following replacement paragraph:

"Referring to Fig 1, at least one first vent hole 85 is provided through the stator 30, allowing any pressure differential across the stator 30 to be equalised, and held to the pressure external to the pump [[10]] 5."

7. For the paragraph starting at page 16, line 22, please substitute with the following replacement paragraph:

"The bearing pack 90 includes at least one second vent hole 110 provided through the bearing housing 95, allowing any pressure differential across the radial bearing(s) and thrust bearing(s) to be equalised, and held to the pressure external to the pump [[10]] 5."

8. For the paragraph starting at page 17, line 2, please substitute with the following

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replacement paragraph:

"Referring to Fig 1, the means for cleaning the filter means 25 are driven by means by which the pump 5 is driven. The filter means 25 ~~comprise~~ comprises a substantially cylindrical body made of a sheet mesh, and carries an end plate 160. The cleaning means comprise a pair of elongate blades 120 rigidly attached to the stator 30. The blades 120 may have a serrated edge or surface which, when coming into contact with the filter means 25, in use, allow any debris or contamination build up on the filter means 25 to be removed."

9. For the paragraph starting at page 20, line 3, please substitute with the following replacement paragraph:

"Particular advantages of the disclosed ~~embodiment~~ embodiments will be appreciated. For example, the disclosed pump is completely mechanical and is a metal based device."